

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

11/08/2011

Casey Silvia  
Assistant District Attorney, Middlesex County

Dear ADA Silvia,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Stacey Desjardins.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Stacey Desjardins was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in cursive script, appearing to read "Annie Dookhan".

Annie Dookhan  
Chemist  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6622

## Curriculum Vitae

**Annie Khan (Dookhan)**

### Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

### Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

# Stacey Lyn Desjardins

stacey.feiden@state.ma.us

## EDUCATION

### Master of Science—Forensic Science

University of New Haven; West Haven, Connecticut

May 2006

- Concentration: Criminalistics
- Certificate: Advanced Investigation

### Bachelor of Arts—Chemistry

Monmouth College; Monmouth, Illinois

May 2004

- Graduated Cum Laude

## EXPERIENCE

### Chemist I

Massachusetts Department of Public Health; Jamaica Plain, Massachusetts

March 2009-present

- Analyze unknown substances submitted by Massachusetts Law Enforcement Agencies
- Operate, maintain, and interpret data from analytical equipment (Gas Chromatograph, analytical balance, microscope, Ultraviolet Spectrometer, Infrared Spectrometer)
- Provide expert testimony to local, state, and federal courts in Massachusetts

### Teaching/Graduate Assistant

Monmouth College Chemistry Department

University of New Haven Forensic Science Department

January 2001-May 2006

- Supervised labs and answered student questions
- Performed demonstrations using forensic techniques and chemicals

**Additional work experience and references available upon request**

## TRAINING

2010: DEA Forensic Chemist Seminar—Washington DC

2009: Multijurisdictional Counterdrug Task Force Training on Current Drug Trends

2009: Six week training with Senior Staff at the Massachusetts Department of Public Health Drug Analysis Laboratory—appointed Assistant Analyst

2005: Internship with the New Hampshire State Crime Lab

## COURSEWORK

Biomedical Methods of Forensic Science, Criminal Procedure, Forensic Microscopy, Advanced Criminalistics I and II, Forensic Toxicology, Advanced Investigation I and II, Physical Analysis in Forensic Science, Organic Chemistry I and II, General Chemistry, Analytical Chemistry I and II, Physical Chemistry I, II, and III, Biochemistry, Advanced Inorganic Chemistry



The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
State Laboratory Institute

Boston Drug  
Laboratory  
Tel (617) 983-6622  
Fax (617) 983-6625

Amherst Drug  
Laboratory  
Tel (413) 545-2601  
Fax (413) 545-2608

Boston Hours  
8:00 – 11:00  
2:00 – 4:00

Amherst Hours  
9:00 – 12:00  
1:00 – 4:00

## DRUG RECEIPT

City or Department: Somerville Police Reference No.: [REDACTED]  
Name and Rank of Submitting Officer: Det. Barnard  
Defendant(s) Name (last, first, initial)  
[REDACTED]

Description of Samples

To be completed by Lab Personnel

Gross Weight

Lab Number

10 80mg tablets4.89gReceived by: [Signature]Date: 9-15-09

No. [REDACTED]  
City: Somerville Police Dept.  
Officer: Detective DET. BARNARD  
Def: [REDACTED]

Date Analyzed: 10-29-09

Amount: 10.0

Subst: TABS

No. Cont: 1 Cont: pb

Date Rec'd: 09/15/2009

No. Analyzed:

Gross Wt.: 4.89 ✓

Net Weight: 2.63g

# Tests: 2 SLF

2 ASD

Prelim: Oxycodone  
Class B

Findings: Oxycodone

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Somerville

ANALYST

SLF

No. of samples tested: \_\_\_\_\_

Evidence Wt. ✓

PHYSICAL DESCRIPTION:

<sup>SLF</sup>  
- ~~10~~ 9 round, olive green  
tablets + one round white  
tablet w/ green writing

Gross Wt ( ): \_\_\_\_\_

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 2.63g

(oc)

(80)

- one crushed  
- Class B

PRELIMINARY TESTS

Spot Tests

Cobalt  
Thiocyanate ( ) \_\_\_\_\_

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

TLTA ( ) \_\_\_\_\_

OTHER TESTS

Micromedex  
Drug Bible p. 258

PRELIMINARY TEST RESULTS

RESULTS Oxycodone

DATE 10-27-09

GC/MS CONFIRMATORY TEST

RESULTS Oxycodone

MS  
OPERATOR ASD

DATE 10-29-09

**POISINDEX® Product List****Oxycontin****Regulatory-Status:** Schedule II**Ingredients****Active-Ingredient:** Oxycodone Hydrochloride - 80 MG**Excipients:** Ferric Oxide, Yellow  
Ammonio Methacrylate Copolymer  
Hypromellose  
Lactose  
Magnesium Stearate  
PEG-400  
Povidone  
Sodium Hydroxide  
Sorbic Acid  
Stearyl Alcohol  
Talc  
Titanium Dioxide  
Triacetin  
FD&C Blue No. 2  
Hydroxypropyl Cellulose**Availability & Manufacturing****Availability:** United States**Available-Container-Sizes:** Box of 20; Bottle of 100; Strip of 25**Contact:** Purdue Pharmaceutical Products**Product ID:** 5718858**AAPCC Code:** 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)**Registry Numbers:** NDC 59011-107-20  
NDC 59011-107-10  
NDC 59011-107-25**Physical Description****Imprints:** OC - The tablet is imprinted with OC on one side and 80 on the other side.  
80**Form:** Oral Tablet, Extended Release**Color:** Green**Shape:** Circle

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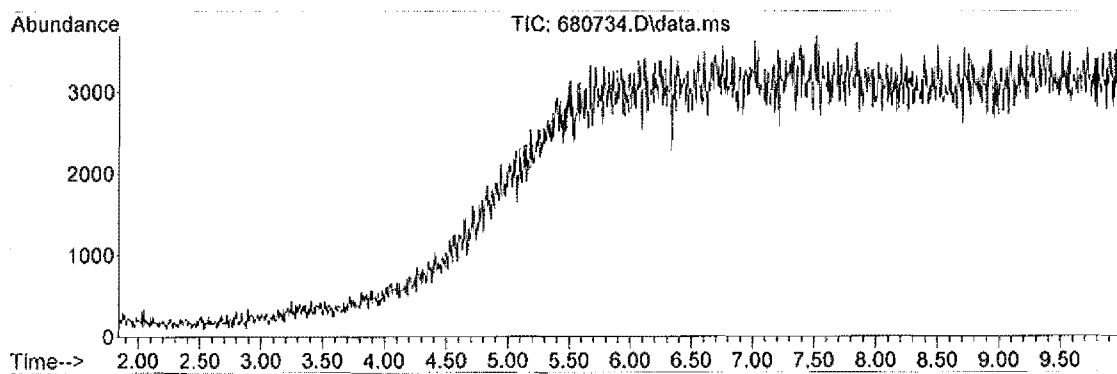
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680734.D  
 Operator : ASD  
 Date Acquired : 28 Oct 2009 19:16  
 Sample Name : BLANK  
 Submitted by : SLF  
 Vial Number : 1  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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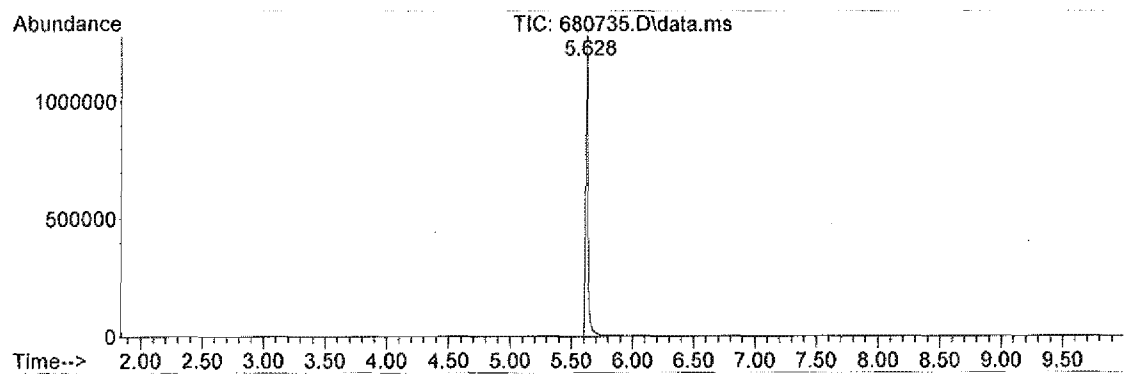
\*\*\*NO INTEGRATED PEAKS\*\*\*



# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680735.D  
 Operator : ASD  
 Date Acquired : 28 Oct 2009 19:29  
 Sample Name : OXYCODONE STD  
 Submitted by : SLF  
 Vial Number : 15  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.628	1696377	100.00	100.00

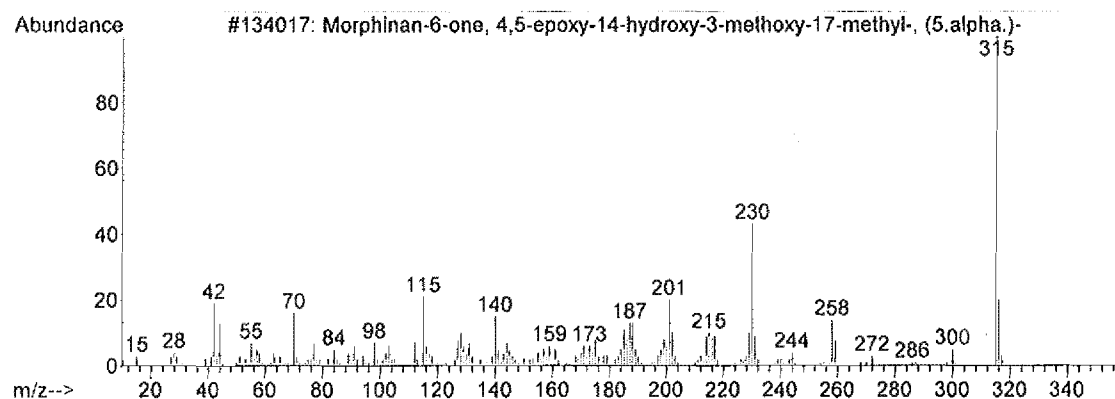
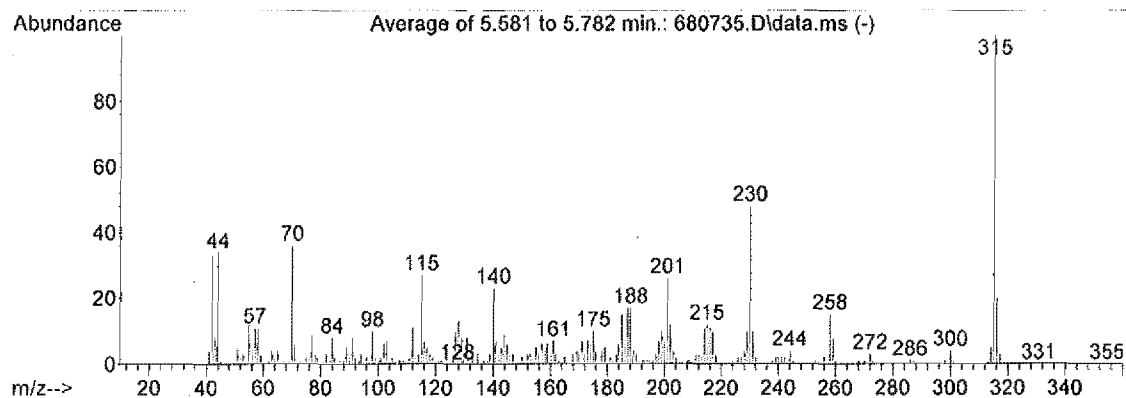
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680735.D  
 Operator : ASD  
 Date Acquired : 28 Oct 2009 19:29  
 Sample Name : OXYCODONE STD  
 Submitted by : SLF  
 Vial Number : 15  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.63	C:\Database\NIST05a.L		
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99



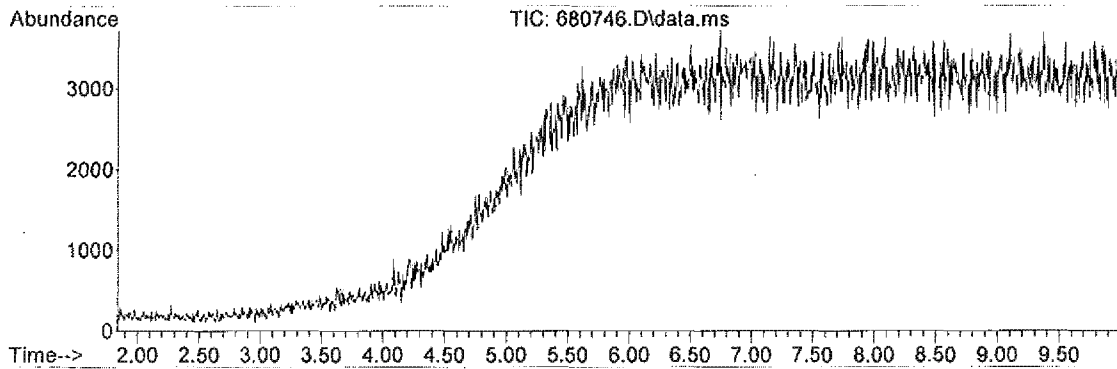
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680746.D  
Operator : ASD  
Date Acquired : 28 Oct 2009 21:48  
Sample Name : BLANK  
Submitted by : SLF  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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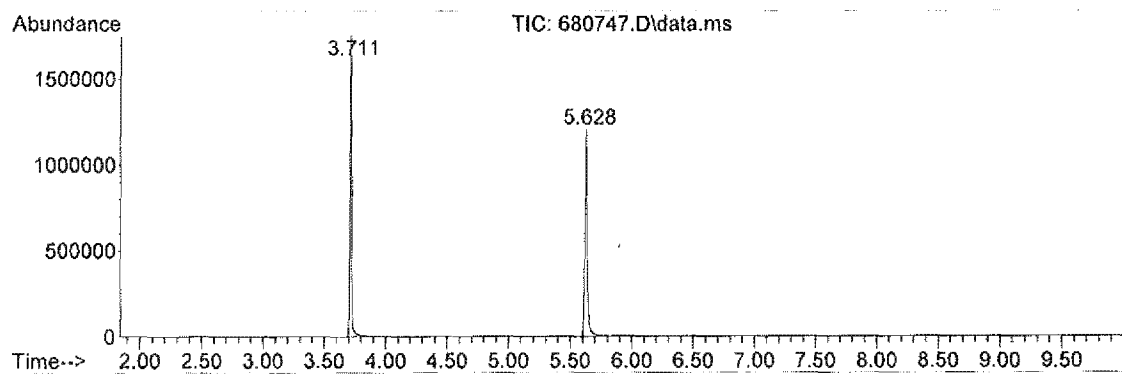
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680747.D  
Operator : ASD  
Date Acquired : 28 Oct 2009 22:01  
Sample Name : XXXXXXXXXX  
Submitted by : SLF  
Vial Number : 47  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.711	1490968	47.64	90.99
5.628	1638682	52.36	100.00

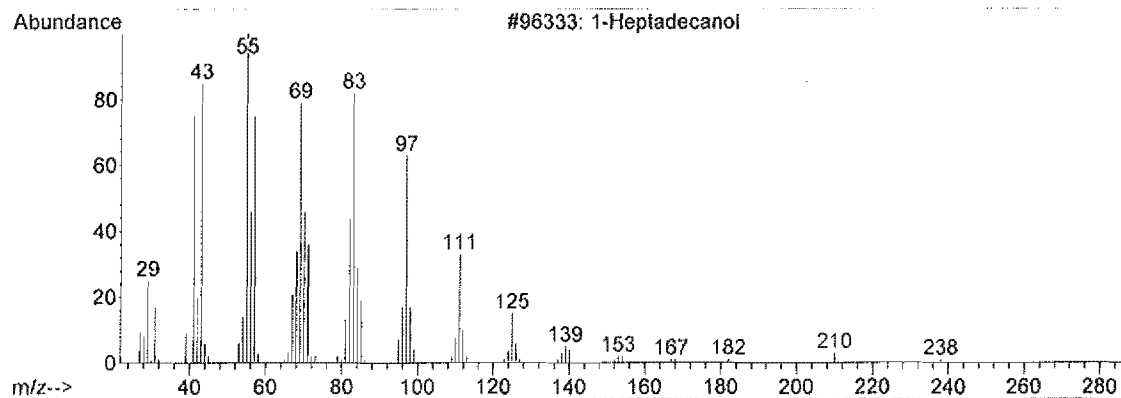
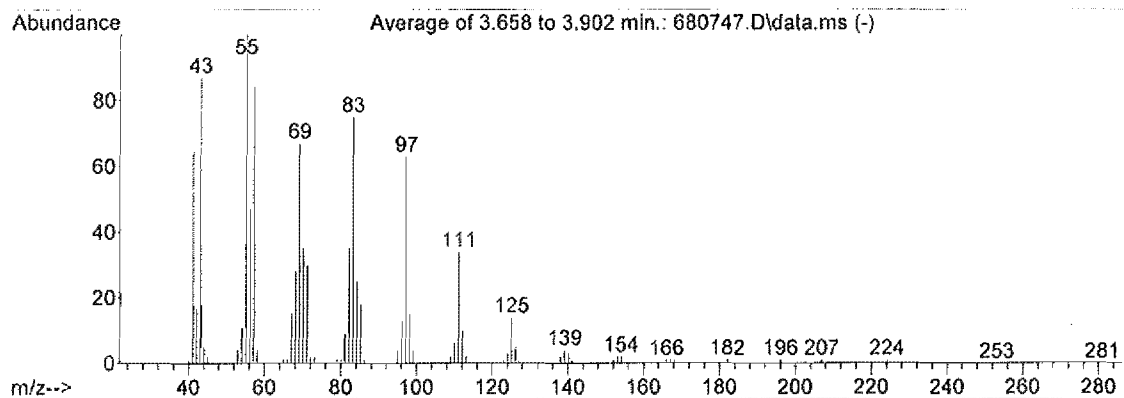
## Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680747.D  
Operator : ASD  
Date Acquired : 28 Oct 2009 22:01  
Sample Name : XXXXXXXXXX  
Submitted by : SLF  
Vial Number : 47  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.71	C:\Database\NIST05a.L		
		1-Heptadecanol	001454-85-9	95
		1-Hexadecanol	036653-82-4	94
		Cyclohexadecane	000295-65-8	91



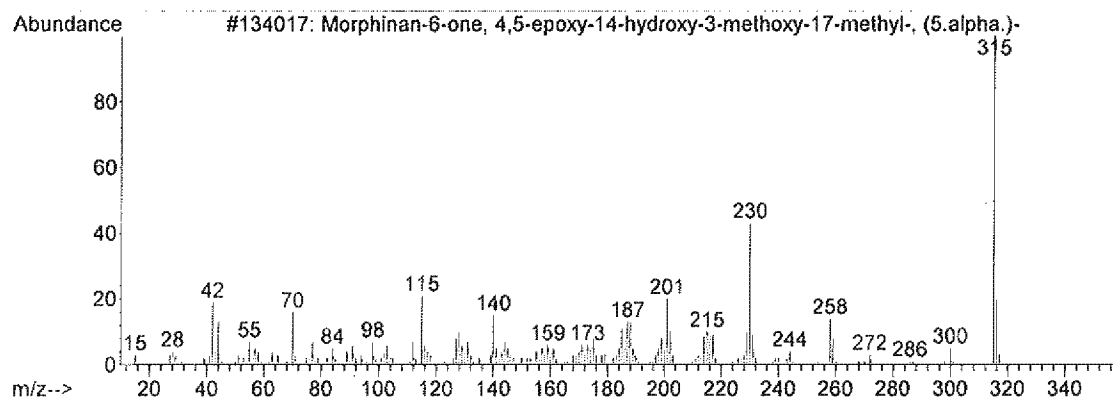
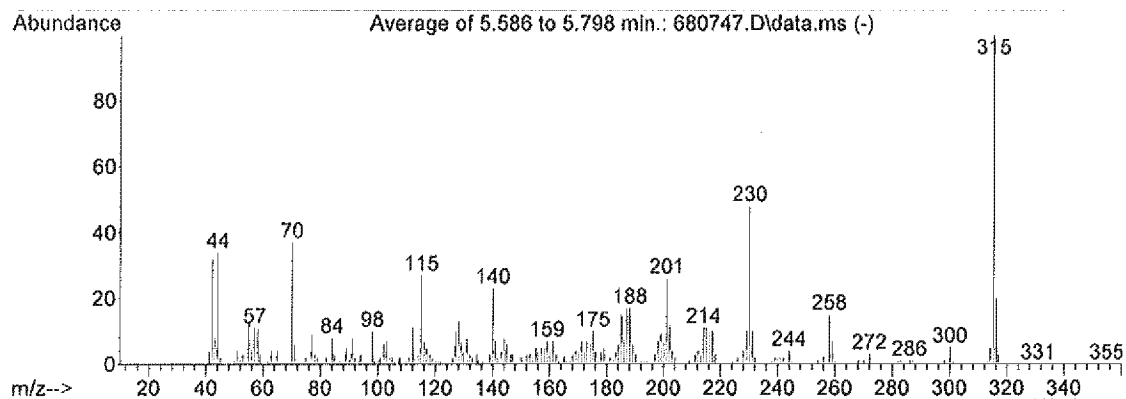
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680747.D  
 Operator : ASD  
 Date Acquired : 28 Oct 2009 22:01  
 Sample Name : XXXXXXXXXX  
 Submitted by : SLF  
 Vial Number : 47  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

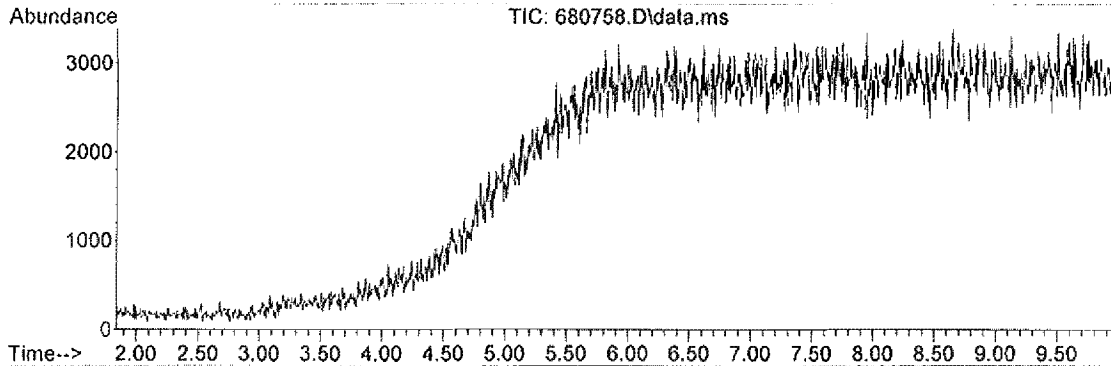
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	5.63	C:\Database\NIST05a.L		
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99



## Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680758.D  
Operator : ASD  
Date Acquired : 29 Oct 2009 00:20  
Sample Name : BLANK  
Submitted by : SLF  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



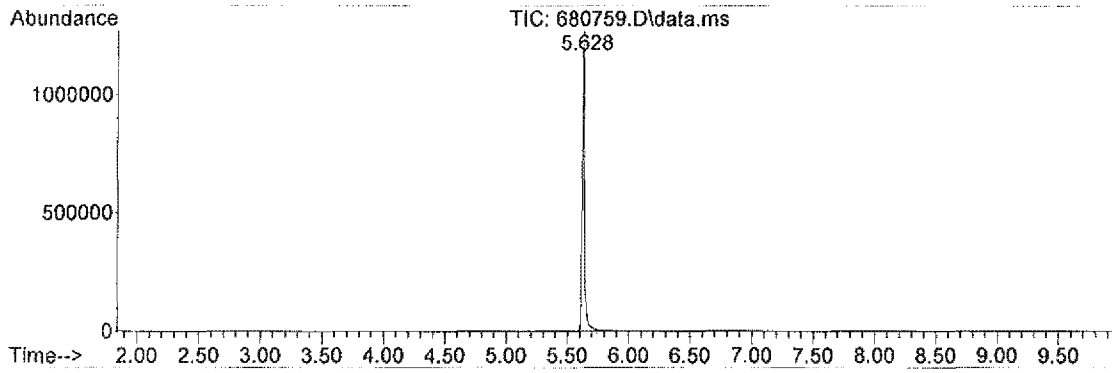
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680759.D  
 Operator : ASD  
 Date Acquired : 29 Oct 2009 00:33  
 Sample Name : OXYCODONE STD  
 Submitted by : SLF  
 Vial Number : 15  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.628	1662410	100.00	100.00



# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680759.D  
 Operator : ASD  
 Date Acquired : 29 Oct 2009 00:33  
 Sample Name : OXYCODONE STD  
 Submitted by : SLF  
 Vial Number : 15  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.63	C:\Database\NIST05a.L		
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99

